

**PRO**file  
SERIES

**MR16 12V**



**Open Back Machined Fixture  
PM612ob**

A machined aluminum track fixture for low voltage MR16 lamps from 20 to 71 watts. For use with RSA Profile Series 60 Amp Busway.

Front loading lamp with bayonet action lens / accessory bezel. Optical accessories are captured in the bezel with a threaded retainer ring preventing accessory spill-out during relamping. Can accommodate up to three optical accessories.

Auto extending / retracting lamp holder. Lamps extend for easy access and automatically retract to optimum position. This is extremely helpful when dealing with varying accessory combinations or differing manufacturer lamp dimensions.

Optical accessories include color filters, UV filters, screens, spread lenses, louvers, hex louvers, snoots. Consult RSA for details.

Locking on both the horizontal and vertical planes. 370° vertical rotation possible due to over-center locking mechanism (60 amp busway only). 270° horizontal locking adjustment.

UL and CUL listed

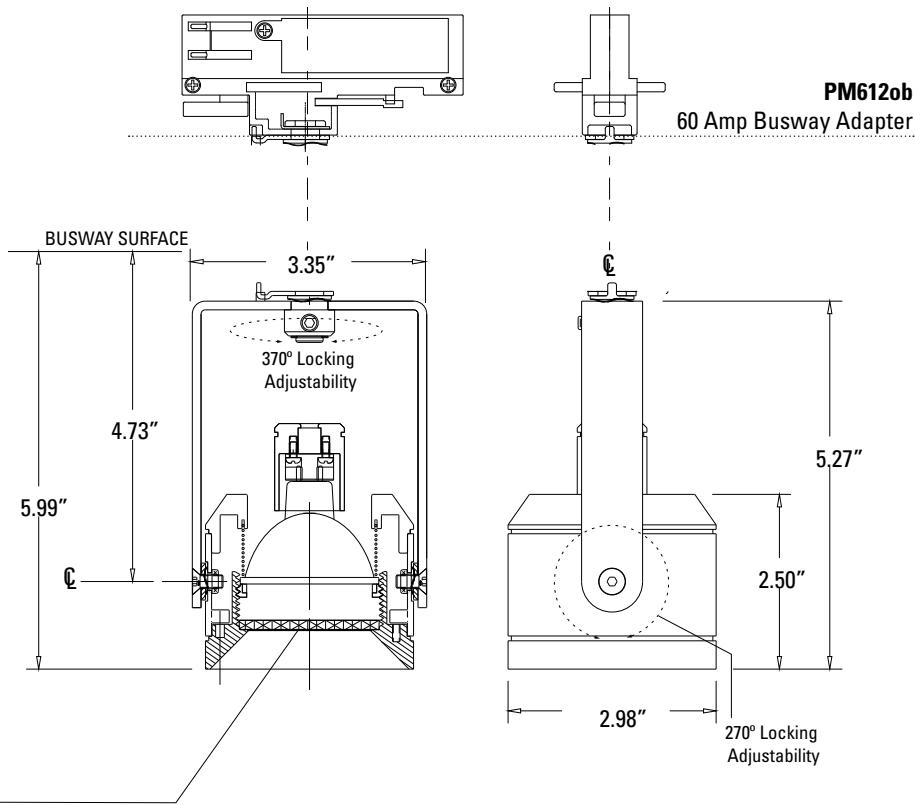
Clear lens included.

Available in White, Black, Natural Aluminum or custom finishes.

Catalog #

Type

Project



**Open Back Machined Fixture**

**PM612ob** - MR16 for 60 Amp Busway

**Lamp Wattage**

<input type="checkbox"/> <b>20</b>	20 Watt 12V MR16
<input type="checkbox"/> <b>37</b>	37 Watt 12V MR16
<input type="checkbox"/> <b>42</b>	42 Watt 12V MR16
<input type="checkbox"/> <b>50</b>	50 Watt 12V MR16
<input type="checkbox"/> <b>71</b>	71 Watt 12V MR16

**Finish**

<input type="checkbox"/> <b>WH</b>	White
<input type="checkbox"/> <b>BK</b>	Black
<input type="checkbox"/> <b>AL</b>	Natural Aluminum
<input type="checkbox"/> <b>PT</b>	Custom Finish

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**Ordering Example: PM612ob-50-AL**



**RSA LIGHTING**  
www.rsalighting.com

RSA Lighting 9660-9700 Topanga Canyon Blvd. Chatsworth, CA 91311  
Toll Free: 800-356-3030 • 818-349-3030 • Fax: 818-349-3031  
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**COOPER** Lighting  
www.cooperlighting.com

## Lamp Performance Data

D = Distance to the horizontal or vertical surface.

FC = Initial footcandles at the center of the beam.

L = Length of the beam where candlepower is reduced to 50% of center beam candlepower.

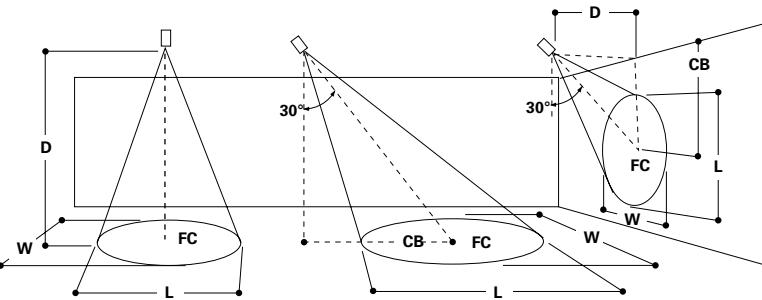
W = Width of the beam where candlepower is reduced to 50% of center beam candlepower.

CB = Distance to the center of the beam.

Lamp data given is typical and is based on bare lamp performance.

Contact lamp manufacturers for availability and specific performance.

Distance, length and width given in decimal feet.



	0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					45° Aiming Angle Vertical Footcandles				
	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB

### MR16 12V Halogen 2-Pin GX5.3

Q20 MR16 /C /VNSP7  Beam Spread = 7° x 7° CBCP = 7,400 Rated Life = 3,000 Hrs.	GEL	6	215	0.7	0.7	6	140	0.8	0.7	3.5	2	243	0.9	0.5	3.5	3	304	0.7	0.4	3.
		8	121	0.9	0.9	8	79	1.1	1.0	4.6	3	108	1.3	0.7	5.2	4	171	0.9	0.8	4.0
		10	77	1.1	1.1	10	50	1.2	1.2	5.8	4	61	1.8	0.9	6.9	5	110	1.2	1.0	5.0
		12	54	1.3	1.3	12	35	1.4	1.4	6.9	5	39	2.2	1.2	8.7	6	76	1.4	1.2	6.0
Q20 MR16 /C /NSP15  Beam Spread = 15° x 15° CBCP = 3,750 Rated Life = 5,000 Hrs.	GEL	4	237	0.9	0.9	4	154	1.2	1.1	2.3	1.5	263	1.1	0.6	2.6	4	374	0.8	0.6	2.0
		6	106	1.4	1.4	6	69	1.8	1.6	3.5	2.0	148	1.4	0.8	3.5	6	166	0.9	0.9	3.0
		8	59	1.8	1.8	8	39	2.4	2.2	4.6	2.5	95	1.8	0.9	4.3	8	94	1.2	1.2	4.0
		10	38	2.3	2.3	10	25	3.0	2.7	5.8	3.0	66	2.1	1.1	5.2	10	60	1.5	1.5	5.0
Q20 MR16 /C /FL40  Beam Spread = 40° x 40° CBCP = 525 Rated Life = 5,000 Hrs.	GEL	1.5	222	1.0	1.0	1.5	163	1.1	1.1	0.9	1.0	135	0.9	0.9	1.7	1.0	254	0.8	1.0	1.0
		2.0	125	1.3	1.3	2.0	92	1.4	1.4	1.2	1.5	60	1.4	1.3	2.6	1.5	113	1.1	1.5	1
		2.5	80	1.6	1.6	2.5	59	1.8	1.8	1.4	2.0	34	1.8	1.8	3.5	2.0	63	1.5	2.0	2.0
		3.0	56	2.0	2.0	3.0	41	2.1	2.1	1.7	2.5	22	2.3	2.3	4.3	2.5	41	1.9	2.5	2.5
Q35 MR16 /C /SP20  Beam Spread = 20° x 20° CBCP = 3,200 Rated Life = 5,000 Hrs.	GEL	3	356	1.0	1.0	3	231	1.3	1.1	1.7	1.5	223	1.4	0.9	2.6	2	305	1.2	0.9	2.0
		4	200	1.3	1.3	4	130	1.7	1.5	2.3	2.0	126	1.9	1.1	3.5	3	136	1.7	1.3	3.0
		5	128	1.6	1.6	5	83	2.1	1.9	2.9	2.5	80	2.4	1.4	4.3	4	76	2.3	1.8	4.0
		6	89	1.9	1.9	6	58	2.6	2.2	3.5	3.0	56	2.8	1.7	5.2	5	49	2.9	2.2	5.0
Q35 MR16 /C /FL40  Beam Spread = 40° x 40° CBCP = 1,000 Rated Life = 5,000 Hrs.	GEL	2	262	1.2	1.2	2	204	1.3	1.2	1.2	1.0	253	0.9	0.8	1.7	1.5	235	1.2	1.0	1.5
		3	116	1.8	1.8	3	91	2.0	1.8	1.7	1.5	112	1.4	1.2	2.6	2.0	132	1.5	1.3	2.0
		4	65	2.3	2.3	4	51	2.6	2.4	2.3	2.0	63	1.8	1.7	3.5	2.5	85	1.9	1.7	2.5
		5	42	2.9	2.9	5	33	3.3	3.0	2.9	2.5	40	2.3	2.1	4.3	3.0	59	2.3	2.0	3.0
Q42 MR16 /C /VNSP9  Beam Spread = 9° x 9° CBCP = 12,500 Rated Life = 3,500 Hrs.	GEL	6	347	0.8	0.8	6	226	1.0	0.9	3.5	2	415	1.0	0.6	3.5	4	276	1.1	0.7	4.0
		8	195	1.0	1.0	8	127	1.4	1.2	4.6	3	185	1.5	0.8	5.2	5	177	1.4	0.9	5.0
		10	125	1.3	1.3	10	81	1.7	1.4	5.8	4	104	2.0	1.1	6.9	6	123	1.7	1.1	6.0
		12	87	1.5	1.5	12	56	2.1	1.7	6.9	5	66	2.6	1.4	8.7	7	90	2.0	1.3	7.0
Q50 MR16 /C /NSP15  Beam Spread = 15° x 15° CBCP = 9,500 Rated Life = 6,000 Hrs.	GEL	6	264	1.5	1.5	6	171	1.9	1.7	3.5	2	361	1.5	1.5	3.5	4	229	1.7	1.2	4.
		8	148	1.9	1.9	8	96	2.5	2.2	4.6	3	160	2.3	2.3	5.2	5	147	2.1	1.6	5.0
		10	95	2.4	2.4	10	62	3.1	2.8	5.8	4	90	3.0	3.0	6.9	6	102	2.5	1.9	6.0
		12	66	2.9	2.9	12	43	3.7	3.3	6.9	5	58	3.8	3.8	8.7	7	75	3.0	2.2	7.0
Q50 MR16 /C /NFL25  Beam Spread = 25° x 25° CBCP = 3,000 Rated Life = 6,000 Hrs.	GEL	3	322	1.2	1.2	3	212	1.6	1.4	1.7	1.5	220	1.7	1.1	2.6	2	282	1.4	1.1	2.0
		4	181	1.7	1.7	4	119	2.1	1.9	2.3	2.0	124	2.2	1.4	3.5	3	125	2.2	1.7	3.0
		5	116	2.1	2.1	5	76	2.7	2.4	2.9	2.5	79	2.8	1.8	4.3	4	70	2.9	2.3	4.
		6	81	2.5	2.5	6	53	3.2	2.9	3.5	3.0	55	3.3	2.2	5.2	5	45	3.6	2.8	5.0
Q50 MR16 /C /FL40  Beam Spread = 40° x 40° CBCP = 1,700 Rated Life = 6,000 Hrs.	GEL	3	213	2.0	2.0	3	181	2.1	2.0	1.7	1.5	259	1.1	1.3	2.6	2	274	1.3	1.5	2.0
		4	120	2.7	2.7	4	102	2.8	2.7	2.3	2.0	146	1.5	1.7	3.5	3	122	2.0	2.3	3.
		5	77	3.4	3.4	5	65	3.5	3.4	2.9	2.5	93	1.9	2.2	4.3	4	68	2.6	3.0	4.0
		6	53	4.0	4.0	6	45	4.2	4.1	3.5	3.0	65	2.3	2.6	5.2	5	44	3.3	3.8	5.0
Q71 MR16 /C /NSP15  Beam Spread = 15° x 15° CBCP = 11,000 Rated Life = 4,000 Hrs.	GEL	6	306	1.6	1.8	6	198	2.0	1.8	3.5	3	194	2.3	1.3	5.2	4	276	1.8	1.3	4.0
		8	172	2.2	2.4	8	112	2.6	2.4	4.6	4	109	3.1	1.8	6.9	6	123	2.7	1.9	6.0
		10	110	2.7	3.0	10	71	3.3	3.0	5.8	5	70	3.9	2.2	8.7	8	69	3.6	2.6	8.0
		12	76	3.2	3.6	12	50	3.9	3.6	6.9	6	48	4.7	2.7	10.4	10	44	4.5	3.2	10.0
Q71 MR16 /C /NFL25  Beam Spread = 25° x 25° CBCP = 4,950 Rated Life = 4,000 Hrs.	GEL	4	309	1.7	1.7	4	223	2.1	1.9	2.3	2	257	1.7	1.3	3.5	3	256	1.9	1.5	3.0
		6	137	2.5	2.5	6	99	3.1	2.8	3.5	3	114	2.5	1.9	5.2	4	144	2.6	2.1	4.0
		8	77	3.4	3.4	8	56	4.1	3.7	4.6	4	64	3.4	2.6	6.9	5	92	3.2	2.6	5.0
		10	49	4.2	4.2	10	36	5.2	4.6	5.8	5	41	4.2	3.2	8.7	6	64	3.9	3.1	6.0
Q71 MR16 /C /FL40  Beam Spread = 40° x 40° CBCP = 2,000 Rated Life = 4,000 Hrs.	GEL	3	236	2.1	2.1	3	200	2.2	2.1	1.7	1.5	286	1.2	1.3	2.6	2	301	1.4	1.5	2.0
		4	133	2.8	2.8	4	112	2.9	2.8	2.3	2.0	161	1.6	1.8	3.5	3	134	2.2	2.3	3.0
		5	85	3.4	3.4	5	72	3.6	3.5	2.9	2.5	103	2.0	2.2	4.3	4	75	2.9	3.1	4.0
		6	59	4.1	4.1	6	50	4.4	4.2	3.5	3.0	71	2.5	2.6	5.2	5	48	3.6	3.8	5.0

Optivex UV Filter	Red Color Filter	Blue Color Filter	Amber Color Filter	Cosmetic Peach 2800K Filter	Milk White Lens	Diffusion Spread Lens	Linear Spread Lens
LN25	LN26	LN27	LN29	CP16	LN24	LN21	LN23
Prismatic Spread Lens	20% Reduction Screen	30% Reduction Screen	40% Reduction Screen	Hex Cell Louver	Cross Baffle	Snoot	
LN22	RS2016	RS3016	RS4016	LN20	CB16	SN16	